A.N.A.R.T.S. News Bulletin 1336 for 20th February 2005.

Cols Column

Early Electrical Communications

Cooke and Wheatstone. Part Four.

Cooke was always of the opinion that the greatest potential customers in England for his Telegraph were the Railway companies. He made an approach to the Liverpool and Manchester Railway but was unsuccessful in persuading the directors to use his system. He then made overtures to the London and Birmingham Railway through an introduction by a Mr Joshua Walker, a mutual friend of his and the Chairman of the Railway Company. Though he received a friendly enough hearing, it was decided to wait till practical proof of the Telegraphs value to the company.

Cooke met with Robert Stephenson the famous railway engineer who gave Cooke permission to use one of his buildings along with several men to help in Cookes work. In fact he ordered 'Let Mr Cooke have everything he may require'. In no short time Cooke had laid half a mile of wire around the inside of the building, and he must have demonstrated the telegraph to Stephensons satisfaction because in July that year he laid the first mile of wire for the Company between Euston Main Line Terminus to Camden Town Station. He gradually extended the length of wire to 13 miles of track. He says 'Simply to show that the current of fluid would pass through miles of wire instantaneiously'. He used the suspended needle system for these demonstrations.

Stephenson was present at most of these demonstrations and appears to be the most interested person attending, playing with the instruments more than others.

Cooke demonstrated he could send a message but it is not mentioned anywhere whether he was able to ring a bell. There was a noticeable gradual decrease in the deflection of the needles as the length of the wire increased.

A demonstration for the press was arranged and this will be the subject of next weeks part.

Hope to see you at the Central Coast Field Day this weekend...

73's Col VK2CTD.

cq cq de vk2ctd vk2ctd

IPS Weekly Solar and Geophysical Report for 11/17th Feb

SUMMARY

Date	11	12	13	14	15	16	17
10cm flux	114	116	116	118	122	113	111
AFr index	7	3	2	4	1	8 (5 est)	
Aaus index	10	5	4	5	4	14 (7 est)	
T index	49	46	65	72	79	97	38

Solar flare activity was very low 11th 12th 15th and 16th low on 13th 14th and 17th.

Geomagnetic activity observed for the Australian Region was mostly
quiet to unsettled, with isolated active periods on 11th quiet on
12/15th quiet to active on 16th and quiet to unsettled on 17th.

Southern Australian Ionospheric F2 critical frequencies were enhanced
15 percent on 11th mostly near predicted to 20 percent enhanced on 12th
enhanced 15 to 40 percent on 13th near predicted to 35 percent enhanced
on 14th and 17th enhanced 15 to 35 percent on 15th and enhanced on 25
to 40 percent on 16th.

Forecast for 18/24th Feb

Solar activity: conditions are expected to be low for the next 7 days, with
no observed change in current sunspots on the disk, or any returning regions
expected. There is a chance of further C-class and isolated M-class events.

Geomagnetic activity should be mostly quiet to unsettled. Active intervals are
possible for the first 2 days of this forecast due to CME and slight Coronal
Hole effects.

Frequencies: should near predicted monthly values. No Short Wave Fadeouts
are expected.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

cq cq de vk2ctd vk2ctd

VK2SG RTTY DX NOTES FOR WEEK ENDING 17 FEB

This week our information came from AA5AU CT1EEB GU0SUP I1JQJ(425)
I5FLN UT5RP and the Central Europe clusternode DB0SPC. Thank you all.

Friday 11
0028-14087 JT1CO
0036-14088 CE3AKK
0038-14083 6F1IHF
0320-14081 DX0K
0906-14083 OH0Z
0916-21086 JT1CO
0932-14080 DS2PQP
0933-21083 VQ9LA via WD0HSP
0946-24925 HZ1IK
1003-14084 AP2IA
1009-21082 VU2VRT
1012-21083 OH0Z
1018-14091 EI05CCC via EI5CRC
1047-14081 9V1GO
1139-14084 GD0TEP
1244-21082 6O0CW
1306-21092 3B9FR
1407-14089 TK5IH
1410-14087 OH0W
1446-21086 PJ7/ND5S
1459-18106 HZ1IK
1500-21083 EA9IB

```
1502-21085 5Z4DZ
1613-21081 DH8WR/HC2
1821-14086 PS7KC
1849-18102 LU/K4SV
1901--7039 TK1CX
2105-14083 HC5T
2117-14084 9Y4/YL2KL
2136-14082 TF3IRA
2138-21082 XE1/N5KO
2144--7041 HZ1IK
2207-21089 CX7BF
2210-14080 5Z4DZ
2211-14085 8P9NX
2317-14085 XX9BB
2336--7044 C6AKQ
2349--7045 CT3IA

cq cq de vk2tty vk2tty

Saturday 12
0005--7042 C6AKQ
0008--7053 W1AJT/VE3
0009--7038 OH0Z
0012--7036 T77CD
0013--7056 CO8ZZ
0015--7044 YV6BTF
0020-21074 9M2CNC
0027--7034 CN8KD
0030-21078 YB0WWW
0037--7036 ZF2NT
0039-14080 9Y4W
0041-28090 KH6YY
0043-14082 XU7ABN
0045--7026 CT3IA
0058--7042 OH0Z
0059--7048 4M5F
0104-28090 HL2ZAF
0107-14073 KH6YY
0109-14072 6G1KK
0125-14095 9V1UV
0128--7058 PJ7/ND5S
0137-21079 CX7BF
0140-14084 PS7KC
0152-21083 3D2RR
0154--7056 KP4JRS
0156--7027 HR1RMG
0211--7034 EW7EW
0212--7035 RK0AXX
0219-21093 XE1BEF
0220-21079 KH6YY
0221--7035 4Z5CP
0223--7054 OM8A
0226-28090 KH6/N0CO
0232-21080 YB5QZ
0243--7082 V31GW
0248-21095 DT0HF
0305--7051 SV9FBM
0312-21088 EX8AI
0321--7065 KH6YY
0333-21076 JT1CO
0344-14079 CX4AAJ
0348-14089 FO5PS
0430-21080 HL2WP
```

```
0445-28088 RA0SF
0451-28083 JM1LPN
0452-28090 VR2BG
0456-28080 JA1BNW
0519-21088 4X6UO
0530-14083 ZL2AMI
0536-21078 A45WD
0559-28095 RK0AXX
0620-28090 JT1CO
0621-21105 9J2KC
0622-28082 FK8HN
0644-14088 T77CD
0659-14097 CN8KD
0718--7042 ZL2AMI
0730-28086 4Z8EE
0737-21093 HL4XM
0739-21096 Z37M
0741-21091 T77CD
0807-28090 RK9AJZ
0813-14109 EM1HO
0833-21106 YB0AJR
0838-28096 JA6WJL
0907-21118 9M2CNC
0908-21114 EX8AI
0910-21120 ZC4LI
0936-28080 UA9AYA
0950-21083 OH0Z
1011-28087 ZX7A
1042-14096 RU2FL
1101-28086 LX8M
1106-28088 UP6P
1109-28084 4X2Z
1113-28098 9J2KC
1128-28100 PY2OMS
1131-28092 9G5OO
1135-21118 8P2K
1143-28085 LU1HF
1151-21080 KP4JRS
1159-21090 VK7OP
1205-21100 YV6BTF
1207-21118 EA9IB
1234-28088 EA8/DL3KVR
1239-14097 JA6QFM/HI8
1339-28082 EA9IB
1348-21106 4K6DI
1349-14078 OH0W
1359-21098 CN8LI
1413-21101 C6ALK
1438-28086 8P2K
1448-21092 OD5PL
1503-28082 ZF2NT
1543-28080 KP4JRS
1628-21089 9Y4W
638-28105 EA8/DJ1OJ
1700-14075 KH6YY
1705-28079 LU5FII
1714-21076 NP4BM
1726--7032 JT1CO
1731-21133 XE1YYD
1745-21114 GI0KVQ
1749-14119 EI4DW
1750-21095 ZF2NT
1811-21087 6G1KK
```

```
1825-21080 KH6YY
1902-14078 TF3RB
1903-14113 9J2KC
1923-14117 8P9NX
1944-28085 6G1KK
2010-14097 8P2K
2028-28089 4U1WB
2035--7032 JA6ZPR
2041-14089 KP2D
2044--7036 T77CD
2111-14085 KP4JR
2127-28084 ZL2AMI
2150-14081 3D2RR
2254-21105 V31GW
2333-14104 9M2CNC
2335--7038 XE1YJL
2344-14092 KH6GMP
2348-14103 JA6WFM/HI8
2354-21088 KL1SF


cq cq cq de vk2ctd vk2ctd


Sunday 13
0008-14098 KP2D
0029-14106 UA0CA
0040-14090 KH6YY
0042-14084 BX4AF
0045-14073 VR2BG
0046-21076 YB0AJR
0052-21081 3D2RR
0053--7038 PY2BRZ
0056--7039 Z37M
0058--7039 RK0AXX
0103-14101 BA5TT
0107-21089 DS2OQF
0111--7044 LX8M
0112--7040 ZF2NT
0113-14084 YB5BO
0117-14104 VR2XLN
0123-14112 EM1HO
0134-14104 9M2CNC
0136--7036 HK1XX
0155--7045 C6AKQ
0226-14086 6G1KK
0249-28082 FK8HN
0251-28086 VR2BG
0255-28093 JA1BHK
0257-21083 KH6YY
0258-28088 ZL2AMI
0339--7056 R1ANF
0407-14086 FO5PS
0413-28093 JT1CO
0428--7046 KP4JRS
0429-14090 ZL3JT
0430-14097 ZK1WET
0442-21085 9V1GO
0451--7033 OH0Z
0512-14085 KH6GMP
0524--7041 NN6NN
0553-14080 4Z5CP
0602-21103 AP2IA
```

```
0646-14114 EY8DQ
0647-21113 A45WD
0649-21109 9M2CNC
0655-21092 EX8AI
0659--7036 ZL3TE
0705--7052 KH6YY
0716-28080 VR2UW
0719--7033 ZL2AMI
0727-21082 OH0W
0728--7031 ZL4PW
0737-28083 YB5QZ
0739-28079 DU3NXE
0745-28086 LY5A
0746-28094 4Z8EE
0814-28080 UA9AYA
0815-28094 YB2EMK
0822-28096 JA6WJL
0830-21084 BW3/JD1BKQ
0832-21090 T77CD
0905-21082 DS2PQP
0906-14089 T77CD
0909-28085 EA1AKS
0909-21079 JT1CO
0917-21083 SV9FBM
0923-21088 VU2TRI
0925-21096 HL3AHQ
0944-21102 ZC4LI
0948-21106 TA1FA
0950-28080 CT1AOZ
0957-28102 9V1GO
0959-28087 YC3MM
1005-28079 OH0Z
1011-28088 EA8/DL3KVR
1012-14100 CN8KD
1016-21085 CN8LI
1017-28083 LU1HF
1032-21097 4L1DA
1044-14095 ZL2AMI
1051-28102 9J2KC
1105-28095 J43BSF
1121-28080 EA9IB
1150-28092 RV9XM
1216-14084 ZF2NT
1220-28087 T77C
1229-14112 GU0SUP
1245-28083 8P2K
1312-28108 EC8AUZ
1333-14118 UP6P
1348-21119 4K6DI
1354-21088 CM2ZK
1402-28082 LU1HF
1405-21104 HZ1IK
1412-21101 C6ALK
1418-28082 AJ3G
1420-28086 YV6BTF
1434-21072 9Y4W
1439-28092 ZF2NT
1501-14087 FM5JC
1502-21137 XE1L
1532-28085 NP4BM
1703-14086 KP2D
1713-14110 TF4M
1737-21084 KH6YY
```

1751-14103 KL7AC
1809-28088 6G1KK
1822-21083 CT3BD
1823-14089 T77CD
1842-21091 HR1RMG
1902-28087 PY2OMS
1907-28088 VE6YR
1929-28097 R1ANF
1942-21084 ZL2AMI
1949-28091 9Y4W
1952-28076 XQ1VLY
1953-28093 KH6YY
2032-14078 CX4AAJ
2045-21109 HC1JQ
2129-14077 CN8LI
2133--7041 T77CD
2144-14106 JA6WFM/HI8
2146-14108 4U1WB
2253-14092 HR1RMG
2326-21104 DU3NXE
2347-21106 KH6GMP
2357-14104 VR2XLN

Monday 14
0000--7044 C6AKQ
0634-14082 VK2KM
1015-14085 XU7ABN
1031-14084 TF3FK
1248-14084 VK2KM
1322-21082 6O0CW
1332-14085 9K2YM
1654-21086 EA6/I1RSA
1701-14085 OX3HX
1838-14084 KL7IWC
2016-14086 VP8DIN
2035-14083 XQ1VLY

cq cq cq de vk2ctd vk2ctd

Tuesday 15
0849-14080 3D2RR
0915-21080 6O0CW
0955-21088 XX9BB
1029-21084 9K2YM
1215-21086 3B9FR
1242-18107 AP2IA
1338-14088 EA6/I1RSA
1446-21088 CM2IZ
1448-21089 DH8WR/HC2
1500-21092 XE1L
1508-21080 6O0CW
1549-21085 5Z4DZ
1636--7035 JT1CO
1659-18101 DH8WR/HC2
1705-14089 TK5IH
1759-18100 VP8DIN
1814--7039 HZ1IK
2156--7040 VK6HD

Wednesday 16
0245-14082 3D2RR

1023-18103 EY8CQ
1107-14083 JT1CO
1230--7036 DX0K
1236-21082 6O0CW
1238-14082 VK2KM
1358-21085 HK6DOS
1430-21089 DH8WR/HC2
1504-14084 UK8OAR
1603-21090 OX3HX
1620-24923 DH8WR/HC2
1623-18101 YI1OM
1714-14092 TK5IH
1753--7037 HZ1IK
1755-24924 OX3HX
1851-14089 ZD7JC
2133-14087 DH8WR/HC2
2240-14083 8P9NX
2250-10140 VK6HD

Thursday 17
0024-10141 DH8WR/HC2
0201-14081 CX7BF
0202-14085 XU7ABN
0220-14083 JT1CO
0910-18105 EY8CQ
1010-18102 BA4RF
1411-14087 VU2WAP
1543-24922 DH8WR/HC2
1549-14086 TF3GC
1608-18102 DH8WR/HC2
1627-18103 TK5IH
1701-14092 3B9FR
1712-10147 AP2IA
1903--7039 SV9AHZ
2205-18102 LU/N6OX
2311-10138 DH8WR/HC2

Notes of Interest

The VK2SG RTTY DX NOTES are distributed every week via the
Winlink network, and are also available on the Internet at
URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty
and the digital-dx reflector.

To subscribe to the digital-dx reflector, send an e-mail
message to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message Body: subscribe digital-dx

For next week's bulletin, send your bandpass and notes of
interest to Don, AA5AU, e-mail: aa5au at bellsouth.net

Goetz Linss DJ3IW

cq cq cq de vk2ctd vk2ctd

The Ohio/Penn DX Bulletin No. 697 - excerpts

9Y4, TRINDADE AND TOBAGO
Ten operators from the Lufthansa Amateur Radio Club (DD8ZX DG3FK DH6ICE

DJ3FK DJ9RB DK7LX DK7PE DK7TF DL1FDS and DL4FP) plan to be active from
Tobago Island (SA-009) as 9Y4DLH between Feb 23/Mar 2. At least two
stations will be active on 160-10 meters CW/SSB and DIGITAL. QSL via
DJ3FK. Logs will be available online AFTER the operation. For more
info, please visit the following Web page at http://www.dj3fk.com

FT1W/FT5W, CROZET ISLAND
By the time you read this, Nicolas/F4EGX and Jean-Paul/F5BU are
expected to be active as FT1WK and FT5WJ until the end of Mar.

HH, HAITI
Jan/K4QD and Koh/JA7KAC will be active as HH4/K4QD and HH4/K2AC,
respectively from here between Feb 21 and Mar 4. They will be operating
from the Northwest Haiti Christian Mission in St. Louis du Nord. Their
activity will be on all bands 160-10 meters on SSB CW and RTTY.
QSL HH4/K4QD via K4QD and QSL

PJ7, ST. MAARTEN
Bil/W8EB and his wife Dorothy/W8DVC will be here between Feb 14 and
Mar 20. Activity will be on 160-10 meters, CW SSB RTTY and PSK31.
Bil will operate in the ARRL DX SSB Contest as either PJ7B or PJ7/W8EB
along with a guest operator John Scott VE1JS. This will be Bil's
10th consecutive ARRL DX SSB Contest participation from St.
Maarten. All QSL requests go to W8EB.

SPECIAL EVENT
To commemorate the 127th anniversary of the Liberation of Bulgaria from
Ottoman yoke by Russia the Balkan Contest Club LZ1KZA (LZ5A) will operate
with the special event callsign LZ127LO from Mar 1-31. Activity will be
on CW SSB and RTTY on all HF bands. Suggested frequencies are
CW - 1824 3514 7014 10104 14014 18074 21014 24894 and 28014
SSB - 1850 3714 7074 14244 18144 21244 24944 and 28444 kHz
QSL via the bureau or to: LZ1KZA, P.O. Box 36, 4300 Karlovo, BULGARIA.

cq cq de vk2ctd vk2ctd

The Society can be contacted in the following ways:
To Pat VK2JPA via vk2jpa at wia.org.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN